® **DSX Access Systems, Inc.**

Who Is In Report / Mobile App

Who Is In / Muster Report
The "Who is In" is a Life Safety Muster report that provides a list of Cardholders that are shown to be In a selected area or location. The inclusion of the cardholder in the report is based on their Zone 1 APB (Anti-passback) status as being IN for the location of their last card read. The report can be sorted by Company or by Device/Reader (In -Reader). The report is conveniently initiated from the Who Is In Report Icon on the Reports1 Tab or from a predetermined input alarm. The Who Is In Report only displays people whose last card read was within 48 hours (variable) of when the report is run. This variable timer can be used to exclude people who never read out or adjusted to include people that are in the facility or compound for days.

The report defaults to "sorted by Company" unless "sorted by Device" is selected. (Company is a user defined group of card holder such as departments.) This report provides a separate printout for each Company that shows all Card Holders In from that Company along with the reader location and time of their last use. The report also displays a subtotal of Card Holders In for each Company from a grand total of Card Holders In for the Location or Location Group. When sorted by Device, the report provides a separate printout for each reader showing the time of the last use and the Company they belong to. The report also shows a subtotal of Card Holders whose last use was at that reader from a grand total of Card Holders that are In for the Location or Location Group. This option is only available when printing the report from within the software.

The In / Out Status is by the Card Holder not the credential. If you check in with one card you may checkout with a different card or code. For Example, if you check in at location 1 with one card and then check in at location 2 with a different you will be removed from location 1 and the report will show you "In" at location 2. In Versions of software prior to 5/6 you had to read out with the same credential you read in with (when enforcing antipassback, you must do this anyway).

Who Is In / Mobile Command App
The report can be initiated from within the software or by the receipt of an input alarm, typically associated with a panic button. Starting with DSX version 5.0.14/6.0.14 and with the use of the DSX Mobile Command, the Who Is In report can be generated from the smart phone application and emailed to one or more people. This allows easy activation of the report from anywhere within Cell or Wifi coverage of the system. Once triggered from the phone, the report can be sent to the default printer of the PC, a network printer, or the report can be sent to an email group, or both printed and emailed. An email group is a group of card holders with email addresses in the system, each with a time zone that determines when the email can be sent to them. The Workstation program must be running on the PC that is to print or email the report.

Muster Stations
Muster Stations can be used when evacuating an area. A Muster Station could consist of an Out Reader that is portable or permanently located outside the Area. As Card Holders arrive at the Muster Station they read their credential at the Out Reader to remove themselves from the Who Is In Report. Muster Readers could be hardwired or wireless. A Conventional Reader could be used with a Bridge made by Transmitter Solutions for a long range wireless connection that ultimately terminates at a DSX Controller. It could also be a Schlage WPR400 Wireless battery operated reader that communicates short range to a PIM400-TD2 that connects to the DSX Controller. When Muster Stations are combined with the DSX Mobile Command for report activation and the ability to Email the Who Is In Report, Life Safety just got more flexible.

Location Configuration
To Configure the system for a Who Is In / Muster Report use the following instructions.
Edit each location and on the Yes/No Options Tab enable - *"Save Last Card Read*" and underline - "Enable Anti-passback". Without Anti-passback enabled the In/Out Status is tracked but the in before out rule is not enforced.

IN/OUT and Muster Reader Configuration
Edit each Device that is to be used for IN / Out and Muster card reads and on the Options 2 Tab set the Anti-Passback In/Out flag under Zone 1 only. This has to be done even if the Anti-Passback feature is not enabled under Location – Yes/No Options. When the card is used at an APB Zone 1 Out Reader in any location in the location group the cardholder is considered Out of the Life Safety Area or premises.

In Status Timeout
A Card Holders In status can be timed out so that if they fail to Read Out they will automatically be considered Out after a certain amount of time has lapsed. The default is 48 hours and can be changed by setting it at the Comm Server in the \WinDSX\RunData\gDB_Settings.txt file.

Name: WhoInHours
Value: 48
Default: 48
Desc: In Hours: Cards read In less than XXX Hours ago are included in the Who Is In report. 1-999 hours.

Input Alarm Activation
The system can be configured to print and/or email this report automatically when a predefined alarm is received. Each Workstation that is to print/email the report must have an "InRpt.txt" file created and placed in the WinDSX folder on that PC. Within the text file - define each input that should trigger the report as follows: 1:15:5 where 1 is the location, 15 is the device, and 5 is the input that is defined in the database and armed with a Time Zone. Each input should be defined on a separate line where there is more than one input to trigger the report. This report can be used at a client workstation so the report could be generated at that workstation. This file could also be used at the Comm Server PC for a centralized approach. An Alarm from location 1 will generate a report for location1 or the location1 grouping as defined in the InRptByLocation settings. The Workstation program must be running on the PC that is to print or email the report.

InRpt.txt < located in the \WinDSX folder on the Comm Server

1:15:5 < Location 1, Device 15, Input 5 Any Input can be used. It just has to be defined and armed by time zone. This input will request a report for Location 1

2:0:5 < This input will request a report for Location 2 or the Grouping that Location 2 is in.

3:1:5 < This input will request a report for Location 3 or the Grouping that Location 3 is in.

Mobile Command Activation
To activate the report with the Mobile Command application, use the instructions above (Input Alarm Activation) to declare which input should active the report. Define and connect an unused output in that location to that input. Configure the output to be Secure by Time Zone. When the output is energized by time zone it should normalize the input satisfying it with the required 1K resistor. When the output turns off (de-energizes) the input should become abnormal and go into alarm. Once this is accomplished, create a Mobile Command that "Grants Access" to that output. Test to make sure when the command is activated in the Mobile Command application, that the output turns off causing the input to go into alarm.

Report by Location or Location Group / Email and or Print
The system can print the Who Is In report by Location Group or by Location. In the shared folder where the database is located edit the c:\WinDSX\RunData\gDB_Settings.txt Within the text file locate the key shown below and define each Location that should be printed out by Location and not by Location Group. The system defaults to printing the Who Is In report for the entire Location Group. If you have some Locations
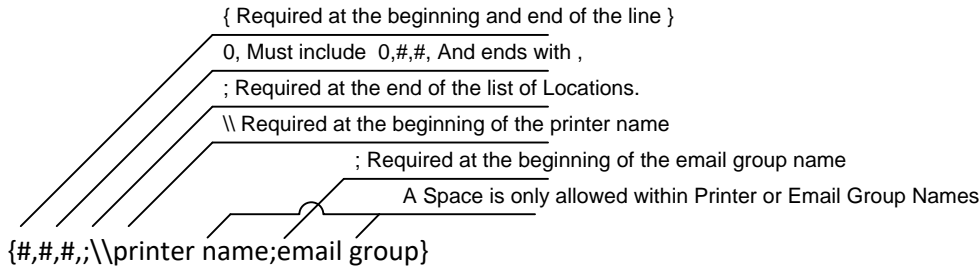
within the Location Group that you desire to print data that only pertains to that Location, enter that Location number between { } in the value field. Within a Location Group there can be other groupings made. Look at the example below.

Name: InRptByLoc
Value: {0,6,1,2,;\\myserver\waybackprinter}{3} < This is two groupings that print Locations 6,1,2 to the waybackprinter. Second grouping will print Loc 3 and send to default printer.
Default:
Desc: Print the Who Is In report by location. Use a start {and a stop} to contain each loc that should be included. See the help system for more details.

{ Required at the beginning and end of the line }
0, Must include 0,#,#, And ends with ,
; Required at the end of the list of Locations.
\\ Required at the beginning of the printer name
; Required at the beginning of the email group name
A Space is only allowed within Printer or Email Group Names

{#,#,#,;\\printer name;email group}

Printing Examples:
With Version 3.7.103/4.8.28 and higher you can print to a network printer and specify which printer you want each report to be sent to. Just add the printer name at the end of each location definition line. To define the printer just add a semi-colon (;) then the printer name.

Value: {1}{2}{6} < prints for Location 1, 2, and 6 individually and separate from each other and each prints to the default printer.

Value: {1} < prints for location 1 and prints to the default printer.

Value: {0,2,6,} < prints for Location 2 and 6 when 2 or 6 is selected and prints to the default printer.

Value: {0,6,1,2,;\\myserver\waybackprinter}{3} < prints for location 6, 1, and 2 when 6, 1, or 2 is selected to the waybackprinter on myserver and prints location 3 to the default printer.

*** It is mandatory that the line start with a ZERO and end with a comma when specifying multiple locations and all must be wrapped in { } ***

Email Examples:
Starting in 5.0.14 and 6.0.14 the ability to automatically email the Who Is In/Muster report to a specified Email Group by triggering the report from an alarm event. This will allow a user to activate and receive the report on their phone. In the gDb_settings.txt file you can create a command that will specify the Email Group name that will receive the report. You can also specify a Printer Name of NoPrinter that will prevent the report from going to the printer when emailed.

{0,1,2,;;Mobile}{0,3,;\\myserver\waybackprinter;Security} < When location 1 or 2 is requested it prints both locations to the default printer and emails the report to the "Mobile" Email Group. When location 3 is requested it prints location3 to the way back printer and sends it to the "Security" Email Group.

{0,1,2,;NoPrinter;Mobile}{0,3,;\\myserver\waybackprinter;Security} < When location 1 or 2 are requested it does not print but instead emails to the "Mobile" Email Group. When location 3 is requested it prints to the wayback printer on my server and emails to the Email Group "Security".
{0,1,2,;NoPrinter;Security} < When location 1 or 2 is requested it does not print due to "NoPrinter" and emails to the "Security" Email Group.

Re-Generating Who Is In Report

These instructions describe a method to generate and re-generate the Who Is In report, on a timely basis, until the emergency has subsided. This application requires the InRpt.txt file so that the report is activated from an input alarm. It is important that the input stay in alarm until the emergency is over or as long as the report needs to re-generate.

The input alarm (specified in the InRpt.txt file) is armed with a 24 hour time zone and is programmed to link to a Virtual Output on alarm. The Virtual Output has no Time Zone and is programmed to Link – Secure. The Virtual Output is placed in a Linking Group with a response of Pulse and the time is set for the amount of time between report generations. If set for 5 minutes the report will generate every 5 minutes. The Linking Group is assigned to the input described above.

Another Linking Group is defined and this one has the input above in it with a response of Pulse for 5 seconds. This Linking Group is assigned to the Virtual Output and set to Link on Open.

Operation – Alarm point is triggered and the report is generated. The alarm links to the virtual output for 5 minutes. At the end of 5 minutes the Output returns to Open and initiates a link to the Alarm point that started the report. The link bypasses the input for 5 seconds which causes a restoral to be sent. At the end of 5 seconds the input goes back into alarm and generates another Who Is In report.

Once the alarm point returns to normal the virtual output times out and resets to the open position and the alarm is rearmed and ready for the next emergency. This application requires no intervention to start or stop the reports.

Who is In Report Database Export

WinDSX starting with version 3.7.28 can routinely export the Who Is In report database so that other programs can access it and use the data. The PC that is configured for this report will create the mdb in the DsxTmp directory located in the current user's temp folder. Example: C:\Documents and Settings\Joe User\Local Settings\Temp\DsxTmp

The database is .mdb and is named InRpt.mdb and is a standard Access database containing two tables. Totals: Provides the total count of people who last used a specific device

InRpt: Provides a listing of all people who are currently in, where they last used their card, and when they last used their card.

To configure this edit the C:\WinDSX\RunData\DB_Settings.txt and set the following:

```
--------------------------------------------------------
Name:   ExWhoIn
Value:   0
Default:  0
Desc:   Number of minutes to automatically export Who is in list. Zero = no export
--------------------------------------------------------
Name:   LastWhoInEx
Value:   5/30/2017 00:00:01
Default:  12/12/2000 00:00:01
Desc:   When did the last Who is in export occur.
--------------------------------------------------------
```

In a large system this report could take some time and resources and may require that it is configured and ran from a PC that is not the Comm Server. Also be sure and specify the amount of time in minutes to be greater than the amount of time it takes to run the report. Otherwise it might always be running an export report.